Request to Archive
With The National Centers for Environmental Information
For US Voluntary Observing Ship (VOS) - International Maritime Meteorological Tape 5 (IMMT5) from Turbowin E-Logbook Software
Provided by US VOS/PMOs

2014-06-30

This information will be used by NCEI to conduct an appraisal and make a decision on the request.

1. Who is the primary point of contact for this request?

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STG
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call or email

2. Name the organization or group responsible for creating the dataset.

US Voluntary Observing Ship Program (VOS) / Port Meteorological Officers (PMO)

3. Provide an overview summarizing the scope of data you want to archive. Describe the outputs, data variables, including their measurement resolution and coverage.

The US Voluntary Observing Ships (VOS) report surface marine observations in both real-time (FM-13 ship format) and delayed-mode (International Maritime Meteorological Tape - IMMT format). To do this, most operating vessels use e-logbook software that allows an observer to enter information, then the software can transmit a real-time report as well as save the same report in a different format to the ship's hard drive for later access, i.e. delayed mode observation (DM). Once in port, all DM reports stored on the hard drive are retrieved and sent to the National Climatic Data Center for archiving and processing. Currently, this Agreement covers DM data that arrives via three different e-logbook software programs. Currently the US VOS is using Turbowin 5.0, TurboWin+, and SEAS v9.1 software. Since different algorithms and programs are used to capture and format the data, files will note from which software program the data file is derived. Eventually this data may arrive as IMMA data, but it is not expected to take place in the immediate future.
The IMMT data is intended to be converted to International Maritime Meteorological Archive (IMMA) format by NCDC and submitted for archive to be integrated into the International Comprehensive Ocean-Atmosphere Data Set (ICOADS) product.

4. What is the time period covered by the dataset? (YYYY-MM-DD, YYYY-MM or YYYY)

From 2014-02-23
Ongoing as continuous updates to the data record

5. Edition or version number(s) of the dataset:

+ (Plus): Beta software version

6. Describe the level to which the data are processed. For example, are these unprocessed raw observations, derived parameters, quality controlled or inter-calibrated data, etc.?

The values are raw values with minor qc by ship operators.

7. Approximate date when the dataset was or will be released to the public:
2014-09-01

8. Who are the expected users of the archived data? How will the archived data be used?
Researchers/ICOADS

9. Has the dataset undergone user evaluation and/or an independent review process? Did NCEI participate in design reviews?
The software/data has been thoroughly tested by developers at KNMI as well as on board vessels from many international fleets.

10. Describe the dataset's relationship to other archived datasets, such as earlier versions or related source data. If this is a new version, how does it improve upon the previous version(s)?
This set is directly associated with Submission Agreement (SA) AB-SA-00175 and should be considered as an addition to the existing SA.

11. List the input datasets and ancillary information used to produce the data.
Reports are produced on the bridge of US VOS reporting vessels.

12. List web pages and other links that provide information on the data.
WMO Publication No. 47 (Pub 47) contains all ship metadata associated with the vessels using the software for reporting purposes and should be considered the source for metadata information.

13. List the kinds of documents, metadata and code that are available for archiving. For example, data format specifications, user guides, algorithm documentation, metadata compliant with a standard such as ISO 19115, source code, platform/instrument metadata, data/process flow diagrams, etc.
1. The IMMT5 documentation is available for the data format and is already archived with SA AB-SA-00175.
2. There is additional information located on the TurboWin webpage: http://www.knmi.nl/turbowin/

14. Indicate the data file format(s).
1. IMMT

15. Are the data files compressed?
No

16. Provide details on how the files are named and how they are organized (e.g., file_name_pattern_YYYYMM.tar in monthly aggregations).
The files are named upon ingest and should match existing Turbowin5.0 filenames, something like:
<callsign>_<dateGenerated>/<dateReceived>_TURBOWIN<version>_MET.<ext>
Example: WTDO_20130722200055_TURBOWINPLUS_MET.txt

17. Explain how to access sample data files and/or a file listing for previewing. If it is not available now, when will it be available?
SMI has sample data files and can provide/submit for testing upon request.

18. What is the total data volume to be submitted?

Continuous Data: data volume rate for a continuous data production.

Total Data Volume Rate: 1MB per Month
Data File Frequency: 1 per Month
Data Production Start: 2014-08-31

19. Are later updates, revisions or replacement files anticipated? If so, explain the conditions for submitting these additional data to the archive.

No additional updates, revisions or replacement data are anticipated.

20. Describe the server that will connect to the ingest server at NCEI for submitting the data.

Physical Location: Asheville, NC, USA
System Name: humboldt.ncdc.noaa.gov
System Owner: GCAD
Additional Information:

21. What are the possible methods for submitting the data to NCEI? Select all that apply.

1. FTP PUSH

22. Identify how you would like NCEI to distribute the data. Web access support depends on the resources available for the dataset.

1. No web access

23. Will there be any distribution, usage, or other restrictions that apply to the data in the archive?

No known constraints apply to the data.

24. Discuss the rationale for archiving the dataset and the anticipated benefits. Mention any risks associated with not archiving the dataset at NCEI.

Delayed mode data has higher quality and is typically more complete than real time transmissions. For this case, these data are typically of higher value and often times replace real time transmissions for climate quality datasets and long term climate records.

25. Are the data archived at another facility or are there plans to do so? Please explain.

No

26. Is there an existing agreement or requirement driving this request to archive? Have you already contacted someone at NCEI?

NCDC is a Contributing Member of the WMO Marine Climatological Summaries Scheme and this data directly supports that activity.

27. Do you have a data management plan for your data?

No

28. Have funds been allocated to archive the data at NCEI?

No

29. Identify the affiliated research project, its sponsor, and any project/grant ID as applicable.

N/A

30. Is there a desired deadline for NCEI to archive and provide access to the data?

Archive by: 2014-09-30

Accessible by:

31. Add any other pertinent information for this request.

None